

Future Accelerator Magnet Needs

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Magnet technology is continually evolving in order to meet the demanding needs of new accelerators and to provide necessary upgrades for existing machines. A variety of designs are now under development, including high fields and gradients, rapid cycling and novel coil configurations. This paper presents a summary of R&D programs in Japan, the EU and the US. A performance comparison between NbTi and Nb₃Sn along with fabrication and cost issues will be discussed.